



International Association of Aquatic and Marine
Science Libraries and Information Centers

newsletter

Number Fifty-Three
December 1994

FROM THE PRESIDENT....

The 20th Anniversary Conference, *Building Global Connections*, was a tremendous success. For our first meeting held off the West Coast of North America, we succeeded in attracting attendees from several Pacific Rim nations. Thanks to the stupendous efforts of David Coleman and Sandra Abbott-Stout, who attended to our every need and whim, we had 64 attendees from 12 countries: Australia, Canada, Ecuador, Fiji, Iceland, Japan, Korea, Malaysia, Philippines, Russia, United Kingdom, and United States. We presented Carol Winn and Bill Dunkle, who recently retired from Woods Hole Oceanographic Institution, with Honorary Lifetime Memberships.

IAMSlic provided matching funds to help two attendees reach the conference. Despite our best efforts to assist several others, a number of potential speakers and attendees were unable to secure sufficient funds from their institutions and granting agencies to attend. This made for some interesting last minute adjustments to the conference program, but the attendees quickly adapted to 'Aloha time' and the meeting flowed along apparently seamlessly (or so it appeared to all but the Conference Convener!) However, I cannot stress enough that today is not too early to begin seeking funds to attend future conferences! (A list of future sites can be found in this newsletter.) Kudos to those attendees who personally

or with institutional support made this conference such a success. Please know that conference hosts try to keep the costs to a minimum to enable as many of you as possible to participate.

Thanks to the many members and exhibitors who donated items to a silent auction and to the extreme generosity of those who bid on the items, we raised nearly \$600 for the Guin Fund. The Executive Board has been examining ways to use this Fund for its stated purpose of helping participation in IAMSlic. We also received generous support from: American Fisheries Society, Association Book Exhibit, Cambridge Scientific Abstracts, Center for Tropical & Subtropical Aquaculture, Elsevier Marine & Environmental Sciences Division, Ms. Nancy Pollack, and Sea Challengers. Our 20th Anniversary conference would not have been as successful without the efforts of the speakers, sponsors, and Conference Steering Committee.

As I looked around the Ballroom at the Hawaiian Regent hotel the night of our 20th Anniversary Banquet, I felt honored to be joining a special group of people whose time and devotion created and sustained the organization we call IAMSlic. No fewer than eight former or future Presidents were reminiscing about past conferences and discussing possibilities for future meetings. Considering that several of

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1994/1995 IAMS LIC OFFICERS

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IAMS LIC assumes no responsibility for the statements and opinions advanced by contributions to IAMS LIC publications. Editorial views do not necessarily represent the official position of the association.

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IAMS LIC LISTSERVER

IAMS LIC@UCSD.EDU

The IAMS LIC@UCSD.EDU Conference is an international email conference for discussion of information-related topics in freshwater, marine, and brackishwater sciences. To sign yourself up to the conference, send the following email message to listserv@ucsd.edu:

subscribe <your Internet email address> iamslic

To delete yourself from the conference, send the following email message to listserv@ucsd.edu:

delete <your Internet address> iamslic

If your email address changes, delete yourself using your old address and sign up using your new address. Send an email message to everyone on the IAMS LIC@UCSD.EDU conference at the address: iamslic@ucsd.edu. This is NOT the address to sign yourself up or signoff; see above.

To receive information about IAMS LIC including a membership application, regional contacts, availability of proceedings and other publication, send the following email message to listserv@ucsd.edu:

faq iamslic

(From the President. Continued from Page 1)

these Past-Presidents served multiple terms, their tenure spanned 10 of the 20 years we were celebrating. Becoming President of an international association is an awesome responsibility, but I know that these people, as well as those of you who were unable to attend this conference, will readily offer words of wisdom to me in my coming year.

IAMS LIC is an Association consisting entirely of volunteers. The collective experience of our members, and the opportunities we have to share our concerns and expertise through the forums of Newsletter, conference, regional group meetings, committee work, and our Internet bulletin board, have created a vast network of colleagues with similar interests that spans the globe. Cathy Norton prepared a wonderful reflection upon IAMS LIC's past as we honored Carol Winn for founding IAMS LIC 20+ years ago. From the IAMS LIC Archives, Cathy selected photos showing past meetings and attendees, many who still grace our membership rolls and several who have sadly passed on. Carol spoke about this wonderful network she created and how it helps each of us. She urged us to move beyond being just a network

and encouraged us to form a community while we continue to build and sustain the global connections we have worked so hard to create.

The challenges of the information age are presented to each of us in different ways, but we can draw upon the growing reservoir of knowledge among our ranks. I ask each of you to consider how you can personally add to this reservoir by contributing your special talent to the Association, be it by submitting items to the Newsletter, running for office, or Chairing or participating in committees at the International or Regional level. As our community grows, IAMS LIC will continue to be a valuable resource for those within and outside our ranks who seek our advice on any number of issues relating to aquatic and marine sciences.

I hope each and every one of you will feel free to contact me at any time during the coming year with your questions, suggestions, or concerns. I look to all of you to guide me along the path as your President. Let us work together to strengthen our community.

- Eleanor Uhlinger

IAMS LIC Presidents: Past, Present, and Future IAMS LIC 1994



Back Row, left to right: Kay Hale (1990-91); Carol Winn (1975-78); 1982-83); Janet Webster (1987-88); Eirikur Einarsson (1992-93).

Front Row, left to right: Natalie Wiest (1995-96); Elizabeth Fuseler (1979-80; 1993-94); Eleanor Uhlinger (1994-95).

Photo: James Markham

IAMS LIC BUSINESS

HAWAII CONFERENCE COMMENTS!

I want to thank everyone, especially David Coleman and Sandra Abbott-Stout, Conference Hosts, for a wonderful 20th Anniversary IAMS LIC Conference. 61 registrants from 12 countries, including two from under-developed countries who were awarded assistance grants by IAMS LIC's Executive Board, attended the conference. All the presentations were excellent and generated lots of discussion. A rousing panel discussion on "Librarian's roles in the information superhighway" closed the conference on a very positive and stimulating note—fuel for thought to carry us to next year's conference. Abstracts of the conference, along with an order blank for the proceedings, will appear in the December newsletter.

Vendors and members contributed a variety of wonderful items for a silent auction to raise funds for the Guin Fund. We raised almost \$600 in this silent auction! The most competitive bidding was over a delightful fish-theme hand quilted wall-hanging stitched by Janet Webster. Victoria Welborn was the successful bidder on that one! We are grateful to all who generously donated items and to those who bid on them.

There was a wonderful tribute to our founder, Carolyn Winn, at the banquet. Cathy Norton and Beth Fuseler spoke about Carol's role in IAMS LIC and about past meetings and personalities. 7 past presidents and president-elects were at the conference!

The Executive Board, based on recommendations from the Site Selection Committee, selected the following locations for future conferences:

- 1995 Southampton, England
- 1996 Monterey, California
- 1997 Charleston, South Carolina
- 1998 (off the North American Continent)

- Eleanor Uhlinger

COMMITTEE REPORTS

Nominating Committee Report

There were no problems finding candidates for the position of President-Elect, however there was some difficulty finding a candidate for Treasurer. The problem with the Treasurer is that because of the Association's tax registration, the Treasurer has to be a U.S. citizen and must reside in the U.S. The Committee contacted everyone in the U.S.A. who had an e-mail address because they had been instructed that the candidate had to be accessible through e-mail. The response they received was that everyone was too swamped at work or had too many other commitments with other organizations. In seeking a Treasurer candidate, the Committee looked through the attendance of the last few

Conferences to see who had been there and contacted those individuals. The Executive Board was informed of the situation and reviewed the By-laws and discovered that it might be necessary to change them. Until the ballots are counted, we don't know the results. The By-laws also state that the President can appoint someone to the position.

- Kathy Heil

By-Laws Committee Report

Two by-law changes were presented for the 1994 election, one concerning the length of term of office for the Treasurer and the other a minor change concerning mailing dates. The By-laws Committee also had a chance to look at the honorary memberships and retirees. When they looked at the By-laws they thought that the Association doesn't have to do anything about the retirement members because the By-laws state that the Executive Board can establish whatever type of membership it wants without changing the By-laws. For example, we could just say when sending out the renewals that if the person is retired, this could be the same fee as the developing countries.

- Eirikur Einarsson

Publications Committee Report

1) *GEMIM Directory of Marine Scientists*. No report on status.

2) *Directory of Marine Sciences Libraries*. The Committee suggests that it create a format for submissions and that someone put the Directory up on the Internet or a Gopher file or something. They also suggest that the regional groups be responsible for sending in updating information from their areas, since a lot of the entries in the directory are not even IAMS LIC members but fall in a geographical area. They are looking for a site and host for this and someone to coordinate the whole thing.

3) *Proceedings* editor's report. Last year's proceedings are a total of 220 pages with 29 separate contributions, edited in Santa Barbara, Calif., published in Fort Pierce, Fla., and printed and mailed in Fort Collins, Colo. A total of 115 copies have been printed of which 112 have been distributed. The price for printing 115 copies was \$991.30 and price for mailing 107 copies was \$233.38. The average cost per copy for printing and mailing is about \$11.00, taking into consideration that the postage costs vary depending on domestic or foreign. This year there is a deadline for receipt of manuscript, 1 November 1994, and therefore the proceedings should come out a lot earlier. Also this year, conference registrants must pre-order and pay extra for the proceedings and not many registrants have ordered.

- James Markham

IAMSLIC '94 Participants



Standing, left to right: Catherine Hanson-Tracy, Gareth Penn, Joe Wible, Denis Abbott, Marilyn Lewis, Steve Watkins, Gayle Davis-Merlen, Norma Jhocson, Dwight Ihner, Kay Hale, Joan Parker, Pauline Simpson, Cathy Norton, Stephanie Haas, Carol Winn, Lisa Howard, Judith Ashmore, Peter Brueggeman, Barry Brown, Debra Losey, Victoria Welborn, Pam Olson, Ruthy Grundy, Janet Yasumatsu, Jean Crampon, Dave Coleman, Eva Jonas, Maureen Woods, Ramlee Abdul Rahman, Zena Seliga, and Andrea Coffman.

Sitting, left to right: Sally Stone, Dillie George, Gretla Siegel, Kathy Heil, Helen Albertson, Pam Mofield, Natalie Wiest, Tracie Penman, Eleanor Uhlinger, Helen Capuli, Janet Webster, Connie Cooke, Beth Fuseler, Susan Berteaux, Sandra Abbot-Stout, Annabelle Taylor, Jim Markham.

Photo: James Markham

ELECTION RESULTS

As my first official duty as IAMSLIC President, I'm pleased to announce the results of the recent election. President Elect for 1997-98 will be Janet Webster, Hatfield Marine Science Center Library, Oregon State University. Treasurer for 1994-96 will be Stephanie Haas, Marston Science Library University of Florida.

The proposed amendment to allow Treasurer and Secretary to hold consecutive terms of office passed, thus allowing the election of Stephanie who received many write-in votes. Thank you for your votes!

- Eleanor Uhlinger, IAMSLIC President

IAMSLIC '94 PICTURES

To obtain a 4" x 6" color print of the Group Photo from the IAMSLIC '94 Conference in Hawaii (above), send a check for US\$1.50*, payable to James W. Markham:

Jim Markham
Davidson Library
University of California
Santa Barbara, CA 93106-9010

*Note: If you want a picture and writing checks in US Dollars is not convenient where you live, just send a picture request to me anyway.

- Jim Markham

IAMSILIC COMMITTEES & EXECUTIVE OFFICERS

The following committees will be working on various tasks in 1995. Please contact the Chair of the Committee to find out how you may help. The Chairs may also contact you to seek your help! Please give generously of your time, IAMSILIC is a better organization when the broadest spectrum of members contribute. The Chair's addresses and other information can be found in the new Membership Directory you should be receiving any day now.

COMMITTEES:

Bylaws Committee: Beth Fuseler, Chair.

Charge: To present proposals for bylaw amendments to the membership for a vote.

Membership Committee: Susan Berteaux, Chair.

Charge: To encourage individual and institutional membership in IAMSILIC, particularly in the developing countries where such membership would give access to the rich resources of IAMSILIC's expertise and collective library holdings.

Nominating Committee: Kathy Heil, Chair.

Charge: To present to the Executive Board a slate of candidates for the President Elect for 1997-98 and the Secretary for 1995-97.

Publications Committee: Paula Wolfe, Chair.

Charge: 1. *International Directory of Marine Science Libraries and Information Centers*. To update this directory. Committee shall establish procedures for and undertake a survey to update this directory. Committee should be in communication with David Moulder and EURASILIC as their directory is recently in its second edition. 2. *GEMIM Directory of Marine Scientists*. To work with GEMIM to determine a means by which IAMSILIC can aid in gathering data to update the *Directory of Marine Scientists*, perhaps through local efforts at the Regional Group level. 3. *Proceedings*: To make a recommendation to the Executive Board and Conference Steering Committee each year whether or not to include the cost of Proceedings in the conference registration fee. To contact Library Literature to learn why the *IAMSILIC Proceedings* are not indexed in their publication. To seek to have the *Proceedings* indexed in multiple sources.

Site Selection Committee: Linda Pikula, Chair.

Charge: To secure written invitations from potential sites proposed for future conferences in the years: 1996, 1998, 1999. (Written offers have been received and approved for 1997 and 2000).

Subject Analysis Committee: Jim Markham, Chair.

Charge: To work on rationalizing divergent subject headings

with Library of Congress.

STANDING ACTIVITIES:

Duplicate Exchange: Dodie Guffy. Charge: To make available to member libraries lists of items surplus to one library's needs, but desired by another member library. To investigate and make recommendations to the Executive Board of ways IAMSILIC can subsidize shipping/postage charges or recommend alternative methods for getting much need materials to developing countries (since sending and receiving institutions cannot afford the shipping costs).

Membership Database: Joe Wible. Charge: To maintain IAMSILIC's membership database. To provide labels and lists to IAMSILIC members for official purposes (at no charge), or to for-profit and not-for-profit agencies (on a fee-for-service basis).

Newsletter: Richard Eissinger, Editor; Peter Brueggeman, Contributing Editor. Charge: To produce the *IAMSILIC Newsletter* on a quarterly basis, publishing news and contributions selected by the Editors and contributed by members.

Proceedings Editor: Jim Markham. Charge: To prepare and distribute the *IAMSILIC Conference Proceedings*.

IAMSILIC ADDRESS: Kristen Metzger

IAMSILIC EXEC MAILER: Eirikur Einarsson,
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GEMIM CHAIR: Pauline Simpson

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CYAMUS: Barbara Butler

EURASILIC: David Moulder

SAIL: Stephanie Haas

SOUTH PACIFIC: Ganeshan Rao

WEST AFRICA: Florent Diouf

WANT TO PARTICIPATE IN THE IAMS LIC MEMBERSHIP COMMITTEE?

Membership in IAMS LIC is vital to the organization. You can help accomplish the goal of expanding the number of members by working with the Membership Committee during this next year. The following is a list of some ideas for tasks that could be performed in short periods of time by an individual.

1. Send an announcement about the next annual conference to library schools: select one (or more, if you are ambitious): U.S., Canada, Central America, Europe, Africa, South America, Asia, South Pacific, etc.
2. Send announcement of the next annual conference with a request to print in their listing of upcoming conferences" to: Library journals, marine science newsletters and journals, etc.
3. Post conference information on library-related bulletin boards.
4. Post membership information on library-related electronic bulletin boards.
5. Send membership information to library schools.
6. Send membership information to marine and aquatic science related organizations.

If you have other ideas, wish to take on any of these suggestions, or want more information about the Committee's work, contact Susan Berteaux. Please take this opportunity to participate in the Membership Committee and contribute to the growth of IAMS LIC. Your comments and suggestions are welcome.

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**Next IAMS LIC Newsletter
Deadline
Friday, March 3, 1995**

LAST CHANCE TO RENEW YOUR IAMS LIC MEMBERSHIP

If you found a renewal invoice in this issue of your IAMS LIC Newsletter, it means your membership expired on October 1st, and this is the last copy of the IAMS LIC Newsletter you will receive until your invoice has been paid. If you renew through a vendor, be sure to notify your vendor. Renewal notices are NOT sent to vendors.

To renew, update the information provided on the invoice form and mail it along with your check immediately. The check should be made out to IAMS LIC.

If you received a second notice, but believe it was in error, please contact Joe Wible at:

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E-mail: wible@krypton.stanford.edu

REGIONAL & INTERNATIONAL NEWS

1994 ASFA BOARD MEETING

The 1994 ASFA Board Meeting was held at the National Marine Data and Information Service, State Oceanic Administration, Tianjin, China from 11-14 October. It was attended by representatives of two United Nations Agencies (FAO and IOC), two international organizations (ICLARM and IUCN), and eight national partners (China, France, Germany, Japan, Kenya, Norway, UK and USA), and the commercial publisher (CSA).

Highlights of the meeting included:

- the texts of a new partnership and a new publishing agreement were modified and agreed, subject to the approval of the relevant legal authorities. It is expected that these documents will be signed before the end of the year
 - the addition of new international and national partners, which will improve the coverage of the world's literature on aquatic subjects by ASFA
 - progress on the development of user-friendly interfaces for inputting and searching for information using ASFISIS, the
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standard database format developed for preparing input to ASFA using the Unesco micro CDS/ISIS software

- progress on the revision of a number of ASFIS tools, and in particular the ASFIS thesaurus and the ASFIS Subject Categories and Scope Descriptions

- clarification of the procedure for the use of ASFIS tools by other organizations and systems. The tools may be used, provided permission is obtained from the ASFA Secretariat at FAO, and a copyright statement is included

David Moulder
ASFA Board Intersessional Chairman
Plymouth Marine Laboratory
Internet: dsm@ub.npm.ac.uk

CONFERENCES & MEETINGS

FIRST CALL FOR PAPERS

21st Annual IAMSILIC Conference
Information Across the Waves
Conference Announcement and Call for Papers
October 8-12, 1995
Southampton, England, U.K.

The 21st annual IAMSILIC conference will be held in Southampton, U.K., from October 8 through 12, 1995. A preconference workshop (if scheduled), Executive Board meeting, and committee meetings will take place on Sunday, October 8, with the welcoming reception that evening. The conference will end Thursday, October 12, around noon with the Executive Board meeting immediately following.

The conference theme is "Information across the Waves; the World as a Multimedia Experience". We wish to have a look at the new multimedia technology, while maintaining our interest in the traditional areas of marine and aquatic sciences librarianship. The panel discussion that was the last program at IAMSILIC94, "Librarian participation in the global information superhighway" was quite lively and we wish to encourage more like it. How about an exchange of training outlines/programs from our institutions?

Following is a list of suggested topics for IAMSILIC95, but please don't feel you must limit presentations or panel discussion to this list. All submission will be considered.

1. Expanding international participation
 - Southampton, being a non-North American site, should encourage more European, African, and East Asian participation. How do these participants provide information to their users, and how might IAMSILIC facilitate it? Who are we missing that should be included?

- How could IAMSILIC help to identify information providers and assist with the GEMIM (Group of Experts in Marine Information Management) directory?

- How can IAMSILIC's Guin fund help? The Guin fund is set up to encourage/lend support to international cooperation and development in marine and aquatic sciences information.

- What are the latest developments in global communications and how can we take advantage of them and make them more accessible?

2. Expanding aquatic and marine science subject knowledge

- Defining a specific subject and relating it to the information needs of its researchers. Examples are oceanography, limnology, fisheries, marine mammals, maritime industry, geographic information systems, multimedia.

- Data issues: how can/do we work with data managers who classify, store, manipulate, and retrieve large data sets? How do we interface with computer departments at our home institutions?

- Multimedia issues: how do we evaluate, archive, and retrieve information in various formats: video, sound-recordings, laser, CD-ROM, and satellite images; how about GIS?

- Copyright issues. How is this affecting our operations?

- Training issues. How do we inform our users and train them in the new technology? How do we get trained?

- Management issues. Who manages/provides structure to campus or library home pages? How/where does your computer service center fit in?

The conference will continue the traditional format of single sessions for oral presentations. However, we would also like to solicit posters, information, and databases to be displayed in the exhibits area. We have not decided whether or not to hold a pre- or post-conference workshop. The organizers welcome suggestions for "hot topics" and for someone who is willing to organize this workshop.

The official language of the conference is English for presentations and proceedings.

TIME SCHEDULE:

May 1, 1995. Deadline for receipt of abstract for papers or posters.

June 15, 1995. Notification of acceptance of proposed paper or poster. Notification will include Instructions to Authors for preparation of manuscripts for the IAMSILIC proceedings.

November 1, 1995. Deadline for submission of completed manuscript.

CONFERENCE ORGANIZER:

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CONFERENCE HOST:

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E-mail: ps@ua.nwo.ac.uk

**CYAMUS REGIONAL GROUP
ANNUAL MEETING**

The CYAMUS Regional Group will be holding their annual meeting March 10-11 at Wrigley Marine Science Center on Catalina Island. Questions regarding program content can be addressed to Barb Butler (bbutler@oimb.uoregon.edu) and questions regarding local arrangements can be made to Jean Crampon (crampon@calvin.usc.edu).



5TH ANNUAL SAIL CONFERENCE

Join us for the Southeast Affiliate of IAMS LIC Libraries 5th Annual SAIL Conference at the Ramada Inn/Clamdigger Inn at Atlantic Beach, North Carolina on May 3-5, 1995!

The Conference will include presentations and roundtable discussions on such topics as the "History of the Beaufort Laboratory and the Local Fisheries," the "Electronic Access, Document Delivery, Copyright and the Electronic Journal," "How to Survive a Budget Crunch," and many others.

Also featured is a field trip on the R/V Susan Hudson (Duke University), tours of the local laboratories at Duke University School of the Environment Marine Laboratory,

and/or the National Marine Fisheries Service, and an institutional T-shirt exchange.

Registration forms and itinerary will be mailed in February. Non-SAIL members are encouraged to attend. For further information, contact any of the following:

Patti Marraro, Tech. Information Specialist
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INTERNET & COMPUTER NEWS

CD-ROM

WATER RESOURCES ABSTRACTS VOLUME 2 CD-ROM

NISC has released Water Resources Abstracts Volume 2 comprising Waterlit, Aquaref, and Delft Hydro databases on one CD-ROM disc. Waterlit covers 1975-present and is compiled by the South African Water Information Centre; it provides over 221,000 citations on industrial and environmental aspects of water, wastewater, and sanitation. More than 12,000 records are added each year from reports, conference proceedings, and more than 760 serials.

Aquaref covers 1970-present and is compiled by the Inland Waters Directorate of Environment Canada; it provides over 86,000 citations and abstracts on North American water resources and related topics. Aquaref monitors over 200 serials as well as books, conference proceedings, reports, etc. Delft Hydro covers 1977-1987 and was compiled by the Delft Hydraulics Laboratory of the Netherlands; it provides 64,600 records on water engineering and related topics. Delft Hydro

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monitored over 600 serials as well as books, conference proceedings, reports, etc. This CD-ROM is available for annual subscription of US \$695 with semi-annual updates. Contact NISC at 410/243-0797, fax: 410/243-0982, Suite 6, Wyman Towers, 3100 St Paul St, Baltimore MD 21218 USA. NISC's companion disc, Water Resources Abstracts Volume 1 presents the Selected Water Resources Abstracts database.

ARCTIC & ANTARCTIC REGIONS CD-ROM

Regrettably, the Arctic & Antarctic Regions CD-ROM expired as of October 13, 1994. While searches can be made, the software will not display the retrieved records. There are two solutions to this problem. 1) The update disc is being duplicated now and we expect to have it in the mail by the middle of next week. Please inform us if you require the disc by express mail (at our expense), or 2) use the instructions below to obtain a copy of the NW.EXE program which will reactivate the CD-ROM which just expired.

Steps for Internet access to the NISC program to fix AAR CD-ROMs:

1. ftp to "access.digex.net"
2. type "freddurr" as login id.
3. type "nisc12" as password (lower case letters)
4. press ENTER for terminal type (VT100).
5. type "binary" for a binary file transfer.
6. type "get nw.exe"
7. after the file transfer is completed, type "quit" to exit.
8. copy the "nw.exe" file to the NISC-CD directory on the hard disk. This file should replace the existing file by the same name. You may continue to use the product as usual until the update arrives.

NOTE: Do not type the quotes in the above instructions. They are only there to clarify what needs to be typed in at the keyboard.

We regret the inconvenience this has caused and preparations are underway now to accelerate the production of the next CD-ROM for a January 1995 release. The disc which you will receive in the next week, labeled "July 1994", includes a new database: Indian & Northern Affairs, Canada. No new databases are scheduled for the January 1995 release.

- Fred Durr, President, NISC

LISTSERVERS, NEWSGROUPS, FTP

BIOACOUSTICS-L

The BIOACOUSTICS-L mailing list is for discussion of any subjects related to sound in the natural world, including animal communication, sonar, acoustic behavior, signal processing for bioacoustics, the impact of noise on animals, acoustic tracking, and any other topics that may come up. Discussion of experimental methods and equipment, queries for information, announcements of results, and raising of public policy questions are all welcome. To subscribe to BIOACOUSTICS-L, send the following command as the content of an email message to listproc@cornell.edu:

subscribe BIOACOUSTICS-L firstname lastname

where "firstname" is your first name and "lastname" is your last name. For example,

subscribe BIOACOUSTICS-L Fred Bigears

The list management software will automatically pick up your email address from the return address of your email message.

If you have any questions about BIOACOUSTICS-L, contact the list manager (currently Dave Mellinger) by sending email to listmgr@ornith.cornell.edu. If you have any questions about the Cornell list server, contact the list server manager at listmgr@cornell.edu.

ZOO & AQUARIUM E-MAIL LIST

FYI, from the Autumn, 1994 issue of "The Ohio Rehabilitator": "If you are a computer fan, an e-mail address list is being compiled to help facilitate electronic communication among zoo and aquarium employees, veterinarians, administrators of animal-related associations, wildlife rehabilitators, wildlife educators, and animal researchers. If you would like to be included in the directory, please send your name, title, institution, animals worked with, and internet address to tpolk@aol.com. The directory should be available soon through gopher and telnet."

TIDES V3.04 AVAILABLE

Version 3.04 of Wallner's TIDES tidal prediction program (DOS) is available via anonymous FTP from ftp.nosc.mil (use "anonymous" as the username and your email address as the password; it's in the /pub directory as file TIDES304.ZIP). This version supports tidal prediction as at subordinate stations using the tidal differences (Table 2) in the back of NOAA's tide tables. This enables predictions for many more stations.

STS-L LISTSERV

STS-L (Sci-Tech Libraries) is a moderated discussion group sponsored by the Science & Technology Section of the Association of College and Research Libraries (ACRL) of the American Library Association (ALA). It uses the revised LISTSERV software. All messages are received by the moderators and then distributed to the group.

The purpose of the list is to a): provide a forum for the discussion of issues primarily of interest to all science and technology librarians; b): provide a quick communication link between the STS section leadership and the members; and c): serve as a distribution point for STS publications. It is a public list, open to all interested persons. To join STS-L, send email to:

LISTSERV@UTKVM1.UTK.EDU

with the following message:

SUBSCRIBE STS-L First-Name Last-Name

If you have any questions or problems regarding STS-L, please contact one of the moderators:

Marty Courtois
Biological Sciences Reference Librarian
Hodges Library
University of Tennessee
Knoxville, TN 37996-1000
Telephone: 615-974-6797
E-Mail: courtois@a1.utcc.utk.edu

Terry Wittig
Engineering and Science Library
Wean Hall
Carnegie Mellon University
Telephone: 412-268-7212
E-Mail: tw11@andrew.cmu.edu

PSEUDO-STRESS STUDIES

Florida State University Center for Ocean Atmosphere Predictive Studies has made available "research quality" monthly gridded analyses of pseudo-stress through 1993 covering the tropical Pacific (123E-69W, 30N-30S) and Indian (30E-120E, 24N-30S) Oceans. Monthly mean fields of pseudo-stress are available for the following periods: Pacific: 1961-1993, and Indian: 1970-1993. Web URLs are:

<ftp://coaps.fsu.edu/pub/wind/pac>
<ftp://coaps.fsu.edu/pub/wind/ndn>

GOPHER & THE WORLD
WIDE WEB**DIVING SAFETY MANUAL**

For those of you who are interested in seeing Diving Manuals from other institutions, University of California Davis has just posted our new diving manual (first update in 11 years) on the campus gopher:

gopher.ucdavis.edu

Follow the menus to:

The Campus/
Department Information/
Environmental Health & Safety/
UCD.Diving.Safety.Manual/

The manual is 120 pages. For a printed copy contact:

H Fastenau, Diving Safety Officer
Bodega Marine Laboratory
PO Box 247
Bodega Bay, CA 94923-0247

POLAR INFORMATION GOPHER

The University of Calgary Library has constructed a Polar Information Sources Gopher for information relating to the Arctic, Antarctic and other cold regions. All subject areas for these regions are considered.

The Gopher is divided into the following sections:

1. Polar Libraries (library information and/or Internet access)
2. Polar Bibliographic Databases
3. Polar Information Directories
4. Polar Research and Other Institutes
5. Polar Electronic Serials and Newsletters
6. Other Polar Internet Sources

To search the Polar Gopher

- point your gopher to gopher.ucalgary.ca
- select University Library
- select Polar Information Sources

The Polar Gopher would not be possible without the assistance of many people around the world who have supplied electronic information to be posted on it. If you have information you would like to have posted on the Polar Gopher, please let me know.

There is also a listserv for polar librarians and polar bibliographers. If you would be interested in subscribing, please let me know.

Eric Tull tull@acs.ucalgary.ca
Northern Studies/Arctic Institute Librarian
University of Calgary Library, Calgary, Alberta, Canada
phone +1-403-220-5650; fax +1-403-282-6837

SEA WORLD ON WWW

Shamu TV Marine Science Education Program Introduces Shamu TV Internet Connection. Busch Gardens and Sea World have made educational materials available on the Internet via the World Wide Web. In addition to the satellite broadcasts featuring the wonders of marine science, students can now use the Internet to tap into an Animal Information Data Base, featuring both sea and land animals, to access comprehensive up-to-date information. The database is rich with facts and pictures, interlinked to encourage self guided exploration and learning.

A portion of the Sea World Teacher's Guides have been included in the materials to help teach the students in an active, hands-on way. The activities foster an appreciation for science, mathematics, geography, art, and language.

These educational materials have been made available in cooperation with the Blacksburg Electronic Village. They are housed in the Education Center of BEV (<http://www.bev.net/BEVhome.html>) or may be accessed directly (<http://www.bev.net/education/SeaWorld/homepage.html>).

For more information:

Sea.World@bev.net
Sea World of Florida
Education Department
7007 Sea World Drive
Orlando, FL 32821
(407) 363-2380

FINS - AQUARIUM INFO GOPHER

A collection on fish and aquariums at Active Window Productions, Cambridge, MA. The Fish Information Service (FINS) - Aquarium info gopher can be reached at

URL: gopher://www.actwin.com:70/11/fish

EARTH AND ENVIRONMENTAL SCIENCES WWW SERVER

The Earth and Environmental Sciences Center (EESC) at the Pacific Northwest Laboratory (PNL has a World Wide Web server containing general information about PNL and the EESC, as well as descriptions of the research activities of 20 technical groups. An introductory list of Internet resources related to hydrology is also provided as a service to the hydrologic community. The URL for the server is:

<http://terrassa.pnl.gov:2080/>

The hydrology resource list is at:

<http://terrassa.pnl.gov:2080/EESC/resourcelist/hydrology.html>

HYDROGRAPHIC ATLAS OF THE SOUTHERN OCEAN ON WWW

In 1992, the Alfred Wegener Institute published the "Hydrographic Atlas of the Southern Ocean", bringing together information from nearly 40000 measurement stations from 17 countries. The full atlas is available online in electronic form, and can be found under the AWI home page at:

<http://www.awi-bremerhaven.de/>

HAPEX SAHEL INFORMATION SYSTEM

The HAPEX SAHEL Information System is available on the WEB at URL:

<http://www.orstom.fr/hapex/>

The HAPEX SAHEL experiment (Hydrologic Atmospheric Pilot Experiment) is designed to study the continent/atmosphere interactions (H₂O, CO₂ and energy fluxes) in the Sahel Area, a region particularly representative of the dry tropical area. HAPEX SAHEL brings together researchers from many countries and forms part of the wider research carried out within the framework of the World Climate Research Programme in order to improve hydrologic processes in climatic models. The Web server contains more than 5,000 files of ground data and thirty quicklook of Spot Images. The HAPEX SAHEL Information System is based upon the First International Land Surface Climatology Field Experiment (FIFE).

SCHOLARLY SOCIETIES PROJECT ON WWW

The Scholarly Societies Project is a set of webpages designed to facilitate access to various kinds of electronic resources maintained by or for scholarly societies across the world. The set includes links to over 70 webpages and over 100 gophers associated with scholarly societies. A collection of 29 subject guides groups together gophers and webpages by broad discipline. In addition, there is a set of links to full-text archives of over 40 serial publications by scholarly societies.

NASA TOPEX/POSEIDON PROJECT

The TOPEX/POSEIDON project of NASA and the French space agency CNES is pleased to announce the TOPEX/POSEIDON Home Page. TOPEX/POSEIDON is an ongoing satellite mission to observe the global ocean circulation for three to five years. The home page currently features information about the project and an archive of global ocean images and animations of wave height, wind speed, water vapor and dynamic ocean topography. The page is hosted by the Jet Propulsion Laboratory and is accessible in the World Wide Web via URL:

<http://topex-www.jpl.nasa.gov>

The home-page not only provides access to TOPEX/Poseidon products at JPL, but those produced at other institutions as well. Eventually, the topex-www site will serve as a point of departure for all contributing TOPEX/Poseidon home-pages.

TOPEX/POSEIDON will measure sea levels; map basin-wide variations in currents, and monitor the effects of currents, such as the Gulf Stream, on global climate change. Additionally, the mission's measurements will allow scientists to study ocean tides and waves, marine geophysics and wind. The TOPEX/POSEIDON satellite travels in a 66-degree inclined orbit around Earth at an altitude of 1,366 kilometers. This orbit allows coverage of 95 percent of the ice-free oceans every 10 days. The satellite's position is known to within 10 centimeters from Earth's center, an unprecedented accuracy that will enable the satellite's radar altimeters to make precise measurements in sea heights. TOPEX/POSEIDON carries six sensors: NASA supplied the dual-frequency altimeter, the laser retroreflector array, the TOPEX microwave radiometer and the experimental Global Positioning System (GPS) demonstration receiver; CNES supplies the single-frequency, solid-state altimeter and the DORIS (Determination of Orbit Radiopositioning Integrated from Satellite) dual-Doppler tracking system receiver.

CURRENT FEATURES OF THE HOME PAGE

A brief description of the mission, a number of press release images, and other images prepared specifically for publication or public release are currently available. A full set of smoothed TOPEX/Poseidon images is also available. The images cover the years 1992-date and represent:

- o Dynamic Ocean Topography
- o Significant Wave Height
- o Wind Speed
- o Precipitable Water Vapor

These images are available approximately 12-14 days from the center of a given ten-day cycle. Sea surface variability images, i.e. dynamic topography relative to the 1993 mean surface, will begin to appear in November 1994. Ten days of data are used to create each of these images. They are produced at approximately 3.33 day intervals, which is

the period for TOPEX/POSEIDON sub-cycle. This sampling scheme was chosen to improve the time resolution of the global images and to enhance animated sequences of the images. Spatial smoothing is accomplished by performing a 25th degree and order spherical harmonic fit to the data. The images may be browsed by cycle or by product and date. You can also order custom animations of these images constructed to your specifications (sample animations are available).

PUBLICATIONS & REVIEWS

MOSAIC BOOKS & SOFTWARE

For those of you who would like a good introduction to Mosaic software, a graphical interface for searching the World Wide Web, there are three new books available from O'Reilly & Associates that may be of interest. Each book describes loading, using, and customizing Mosaic, has a chapter on how to create HTML documents, and includes a copy of NCSA Enhanced Mosaic on two 3.5" floppy diskettes. The software has many features not available on even the newest versions of Mosaic from NCSA. A feature of particular value, especially for those of you just learning to create HTML documents, is the ability to view retrieved documents in the mark-up language. Look at the O'Reilly WWW Home Page for additional details and ordering information on these books: URL: <http://gnn.com/GNNhome.html>

The Mosaic Handbook for Microsoft Windows. Dale Dougherty and Richard Koman. Sebastopol, CA: O'Reilly Associates, 1994. \$29.95.
ISBN 1-56592-094-5

The Mosaic Handbook for MacIntosh. \$29.95
ISBN 1-56592-096-1

The Mosaic Handbook for X Window System. \$29.95
ISBN 1-56592-095-3

For more information contact:

O'Reilly & Associates, Inc.
103 Morris Street, Suite A
Sebastopol, CA 95472
Tel: 800/998-9938, Fax: 707/829-0515
E-mail: nuts@ora.com

ICES 1994 ANNUAL SCIENCE CONFERENCE PAPERS ON MICROFICHE

The International Council for the Exploration of the Sea (ICES) has available for sale sets of microfiche of papers presented to the ICES Annual Science Conference (formerly Statutory Meeting) for the years 1989 to 1994. Although these council Meeting papers, as they are often called, are grey literature they are nevertheless extremely useful to fishery scientists, applied ecologists and physical oceanographers (hydrographers) working in the area of living marine resources. Prices vary from year to year depending on the number of papers presented at the Meeting. Please contact the ICES Librarian for further information at:

Ed Thomasson, Librarian
ICES
Palaegade 2-4, DK-1261
Copenhagen K, Denmark

CAPTIVE BREEDING GUIDELINES

The Aquatic Conservation Network (ACN) recently published a 62 page document titled "*Captive Breeding Guidelines*" (ISBN 1-895655-02-1). This document has been developed by volunteer Conservation Aquarists and it exemplifies the role non-scientists can play in the conservation of aquatic life.

Edited by Rob Huntley and Roger Langton, the "*Captive Breeding Guidelines*" are a significant attempt to put into writing what many have been suggesting, but few have suggested how that is, involving amateur aquarists in professionally endorsed captive breeding programs. Expert peer review from scientists and knowledgeable amateur aquarists has helped to put this publication on the leading edge of conservation science.

After a clear statement of ACN Conservation and Captive Breeding Goals, the five main sections lead the reader through the fundamentals of being conservation aquarists, and protocol for their participation ACN programs, including: In Defense of Captive Breeding of Endangered Fish, by Roger Langton; Breeding for Genetic Diversity, by Roger Langton; Environmental Control, by Mark Rosenqvist; Fish Health and Hygiene, by Peter Burgess; ACN Captive Breeding Programs, by Rob Huntley.

Additional input and advice was given by Chris Andrews, David Armitage, Peter Burgess, Henrik Hornhaver, Timothy Hovanec, Russ McAndrews, Tim McCarthy, Joe Norton, Gordon McGregor Reid, Allen Scher, Phil Sponenberg, and Doug Warmolts.

Printed format is simple, to keep the cost down. The cost is only \$12 and includes postage. Overseas airmail postage is being subsidized from the rest of sales. This provides for an element of fairness to all, since purchasing a copy is a prerequisite to participating in ACN Captive Breeding Programs. Simply send a \$12 cheque (drawn on a Canadian or

U.S. bank) or an international money order (Canadian or U.S. currency). Send your mailing address and send to:

Aquatic Conservation Network
540 Roosevelt Avenue
Ottawa, Ontario, Canada K2A 1Z8

For information contact:

Rob Huntley at the address above or
Tel: (613) 729-4670; Fax: (613) 729-5613
Email: ag508@freenet.carleton.ca

Membership in the Aquatic Conservation Network is \$25 per year and includes a subscription to the quarterly bulletin "*Aquatic Survival*".

Aquatic Conservation Network
Canadian Registered Charity #0953471-52
<http://www.ncf.carleton.ca/freepoint/social.services/eco/orgs/aquat-con/menu>

NEW DPI PUBLICATIONS

The Department of Primary Industries, has announced availability of several new publications:

Seafood - Trade Investment, A Marketing Perspective. L. Homer, S. Pullar, and J Brienl. 1994. ISBN 0-7242-5899-X. 120pp. AUS\$29.95.

Analyses the international market for fisheries products. Covers patterns in the global trade of fisheries products; factors effecting Queensland's ability to produce and market these products; the effects of changes in trade barriers such as tariffs; and the major opportunities that exist for Queensland industries in the international market for fishereis products.)

Japan's Kuruma Prawn Market: Recent Developments. Chris Ovenden. 1994. ISBN 0-7242-5898-1. 20pp. AUS\$20.

Profiles the problems experienced in Taiwan and Japan, and the impact this has had on Japan's Kuruma prawn market.

Sea Catch. Don Tuma. 1994. ISBN 0-7242-3964-2. 120pp. AUS\$29.95.

Describes fish, crustaceans, and molluscs commonly found in north Australia's coastal and reef waterws. Contains information on handling fresh seafood, buying seafood, and preparing it for cooking.

These books can be ordered from DPI Publications, GPO Box 46, Brisbane 4001, Floor 1, Primary Industries Building, 80 Ann Street, Brisbane.

EURASLIC DIRECTORY

Moulder, D.S., editor. *Directory of European Aquatic Sciences Libraries and Information Centres*. 2nd edition, 280p. Madrid, Ministerio de Agricultura, Pesca y Alimentación, 1994. ISBN: 84-491-0023-2

A revised edition of the EURASLIC *Directory of European Aquatic Sciences Libraries and Information Centres* is now available. Containing over 500 entries for aquatic libraries and information centres across Europe, the second edition has indexes to organization name (original language and English), professional library and information staff, places and serial publications.

Each entry gives details of the organization (name, address, phone, fax, telex etc) as well as information on the library or information department (its collections, and services, professional staff, E-mail address etc). Publications of the library/information department and the organization are included where available. About 50% of the organizations provided newly completed forms for this edition.

Copies are available from:

Ministerio de Agricultura, Pesca y Alimentación
Paseo de la Infanta Isabel
1-28014 Madrid
Spain
Fax: +7 34 1 347 57 22
Price: 5,000 Pesetas (35 US dollars)

FISHERIES CITATION RELATIONSHIPS

Katherine McCain wrote "Islands in the stream: mapping the fisheries & aquatic sciences literature" (*FISHERIES* 19(10):20-27, October 1994). Two types of citation relationships among journals were studied to identify a core journal network and to explore within-field journal prominence, overall subject structure, and communication links. A core list of 43 journals was extracted from ISI's 1991 Journal Citation Reports for Science Citation Index based on the patterns of citations made from one journal to another. Cocitation data - counts of the number of recent papers citing any pair of the 43 journals - were retrieved from the SCI database and analyzed using cluster analysis and multidimensional scaling. Eight major journal clusters were identified - fisheries (two clusters), geophysics, oceanography, phycology, freshwater biology, marine environment, and marine biology.

In a two-dimensional multidimensional scaling map, the journal clusters are arranged along a subject continuum from the physical sciences (geophysics) through basic natural sciences research (marine biology) to application (fisheries). Fisheries research is distinct from marine and freshwater biology and oceanography but not isolated. The Canadian Journal of Fisheries and Aquatic Sciences appears to be the major link between fisheries research and marine biology.

OFFSHORE OIL AND GAS DEVELOPMENT

Sue Lewandowski, with the assistance of Dr. Nancy Rabalais of LUMCON, has secured a grant from the US Minerals Management Service and Louisiana State University Coastal Marine Institute. The grant will allow them to continue to prepare *Effects of Offshore Oil and Gas Development: A Current Awareness Bibliography* (quarterly.) The project will extend for three years and will have totaled nearly \$70,000. The new version of the bibliography will be annotated and the first issue is due out in early January 1995. There is no charge for subscription. Please send requests for subscription to:

LUMCON Library
8124 Highway 56
Chauvin, LA 70344-2124
Tel: 504/851-2875
Fax: 504/851-2874
E-mail: sbonvillain@smtpgw.lumcon.edu

MANUAL FOR INTERNATIONAL BOOK AND JOURNAL DONATIONS

by Janet Greenberg

This guide is designed to help U.S.-based donors place books and journals in appropriate libraries and institutions abroad. It focuses on placement of scholarly materials in the humanities and social sciences, but is applicable to other specialized and general fields.

It offers information for scholarly organizations on how to initiate effective programs to help colleagues in a certain region of the world, and for individuals on how to place a one-time donation, large or small. It also provides an overview of the context in which books are donated in the U.S. and placed in libraries in Africa, Asia, Latin America, and East/Central Europe. Profiles of ten independent non-profit intermediary organizations able to facilitate the placement of such particular and valuable donations, and fifteen donation programs organized by learned societies and federations of professional organizations, are included. A selective, annotated bibliography of resources lists directories of donation programs and useful tax benefit guides for individuals and organizations.

The full text of the 109-page Manual is available via anonymous FTP at BURGUNDY.OAH.INDIANA.EDU [156.56.25.10] in the \PUB\ACLS subdirectory. When accessing the FTP site, login as username "anonymous" and provide your username@site as the password (e.g., "joe@smith.edu").

For a printed copy, contact the office of Janet Greenberg at ACLS, 228 E. 45th Street, New York, NY 10017-3398. Please include a check made out to ACLS Manual for \$10, to offset costs of production, shipping and handling. If payment is a hardship and requester has no access to the FTP site, fee will be waived.

CD-ROM DRIVE ADVICE

Bruce Connolly provides "Review roundup: expert advice on selecting CD-ROM drives" (*ONLINE* 18(6):85-93, Nov/Dec 1994). Connolly reviews CD-ROM drive evaluations and guides you to a purchase decision.

SDI'S AVAILABLE FROM WILDLIFE REVIEW/
FISHERIES REVIEW

Wildlife Review/Fisheries Review will be "offering" SDI's via internet and CC:mail. A 6 month pilot will be run to test document use and costs to supply various subject SDI's. The project will then be evaluated.

SDI's offered will be WETLANDS, ENDANGERED SPECIES, FISH CONTAMINANTS, WILDLIFE CONTAMINANTS, and AQUACULTURE. Bear in mind that all subjects contain citations based on selection criteria for the two reviews and are not all of the information on, let's say, WETLANDS. Therefore the AQUACULTURE SDI will only contain fin-fish information that is included into Fisheries Review.

The project should get off the ground in mid-December. For further information please contact Terry Sexson at 303-226-9401 ext.236 (voice), 303-226-9455 (fax) or sexsont@mail.fws.gov (email).

NOTICES & NEWS

RECIPES

Send those recipes, NOW!! Your back, relaxed, sent your presentation to Jim and looking for more to do! ha, ;) Now is the time! I want your most exotic/unusual or local favorite recipes (please note the plural). We need a minimum of 200 recipes for a cookbook - that is at least one per member. I just got a nifty skate recipe from the Washington Post. Lets see those salad, main dishes, vegetable, beverages, and of course the IAMS LIC favorite DESSERTS! Send them email, snail mail, xeroxed whatever but get them to me!

ALSO: If you have a nifty idea for the cookbook cover - send it. Winner gets a free copy of the cookbook.

Kathy Heil
Aquatic Sciences Librarian
U. of Md., C.E.E.S.
Chesapeake Biol. Lab
Solomons, Md. 20688-0038
Tel: 410/326-7287
Fax: 410/326-7378
Email: heil@cbl.umd.edu

MEDASSET

MEDASSET (the Mediterranean Association to Save the Sea Turtles) is the only organisation of experts working for the protection of sea turtles throughout the Mediterranean area. MEDASSET is involved in conservation and research of turtles, their nesting beaches and seas, political liaison, publicity and education about the turtles' plight, and fundraising to support activities. MEDASSET can be contacted by e-mail at:

dimanhsk@athena.compulink.forthnet.gr

--- POSITION ANNOUNCEMENT ---
ASSISTANT HEAD, SCRIPPS INSTITUTION OF
OCEANOGRAPHY LIBRARY

University of California, San Diego.

Rank: Assistant Librarian I- Associate Librarian IV,
\$28,668 - \$41,160.

Shares responsibility with the Head of the Library for the provision of information services to SIO faculty, staff, and graduate students and the development of new or expanded electronic library services. Supervises technical services (5.5 FTE staff and student assistants) and circulation services (1.8 FTE staff and student assistants). Provides outreach and reference services. Instructs users in online, CD-ROM, and Internet information resources and develops instructional material with an emphasis on electronic delivery to faculty and graduate students. Takes active role in collection assessment projects.

UCSD librarians are expected to participate in librarywide planning and to be active professionally. Qualifications: Required: M.L.S., strong microcomputer skills, excellent interpersonal and communication skills, ability to work well with faculty, evidence of strong organizational and leadership skills with potential for assuming a supervisory position, knowledge of issues and trends related to automated library services and their implications for public and technical services. Preferred: science degree, relevant academic library experience, supervisory experience. Appointment at the higher rank requires substantial relevant experience and superior qualifications.

UCSD is an equal opportunity, affirmative action employer, and specifically seeks candidates who can make contributions in an environment of cultural and ethnic diversity. Consideration of applications will begin on February 1, 1995 and continue until the position is filled. Submit a letter of application, enclosing a resume and a list of references to: University of California, San Diego, Janet Tait, Academic Personnel Coordinator, Library Personnel Office, 0175H-9, 9500 Gilman Dr., La Jolla, CA, 92093.

REQUEST FOR ELECTRONIC AND PRINT NEWSLETTERS

Pam Mofjeld and Janet Webster are compiling a short list of the electronic and print newsletters most heavily used by the marine science community. We need your help! Would you please send us suggestions of titles to include? This project is part of GEMIM's action plan and addresses its need for efficient means of publicizing its activities and issues to people concerned with marine science, marine affairs and marine issues.

We have established some preliminary criteria for inclusion on this list:

1. Publication (electronic or print) needs to be read by people concerned with marine science including those in the fields of oceanography, fisheries, resource management, ocean law and marine biology.
2. Publication is published at least quarterly.
3. Print publication has existed for at least two years.
4. Publication has a readership of at least 500 for print, and 100 for electronic sources. Some exceptions will be made so publications from all parts of the world are included even if some have limited distribution.
5. Publication has an editorial policy that accepts news items from entities besides members, subscribers or limited editorial board.

If you have suggestions, please send the following information to either Pam or Janet. We are especially interested in identifying titles from a wide geographic spread.

- Frequency
- Geographic Coverage
- Number printed or number of list subscribers
- General content—aquaculture, fisheries, pollution, etc.
- Editorial policy
- Contact name and address

Thanks for the help.

Pam Mofjeld,
University of Washington,
Fisheries-Oceanography Library,
Seattle, WA 98195
Email: mofjeld@u.washington.edu

Janet Webster
Oregon State University
Hatfield Marine Science Center
Newport, OR 97365
Email: websterj@ccmail.orst.edu

COURSE ON "SUSTAINABLE FISHERIES AND AQUACULTURE, 1995"

The University of Minnesota will be sponsoring a course titled, "Sustainable Fisheries and Aquaculture" to be held at the Itasca Biological Station of the University of Minnesota, Itasca, Minnesota.

The course will focus on models for sustainability present in the world today, and transfer methods used by researchers to elicit indigenous fishing and farming systems knowledge important for the future of aquatic resource management. Study of the Itasca biological ecosystem, its pristine lakes and intact fisheries will serve as an example of an undisturbed set of ecological interactions. Field research will be conducted on the largest freshwater cage system in the US, located in mine pit lakes in Northern Minnesota in order to elucidate the interactions between aquaculture and the environment. Lake microcosms will be used for intensive study of limnobiology and chemistry during the course. Guests from the international fisheries and aquaculture community will be invited.

Cost of the course is US\$ 750 which includes full room and board for the 5-week period.

The course will be led by Dr. Barry A. Costa-Pierce, Associate Professor of Aquatic Biology and Fisheries, U. Minnesota and the Minnesota State University System.

For further information contact:

Dr. Don Siniff, Director, Itasca Biological Station
University of Minnesota, St. Paul, MN 55108
or the course instructor at e-mail address:
costa006@maroon.tc.umn.edu or
bcp@finsandfur.fw.umn.edu

NEW DUPLICATE EXCHANGE MEMBERS

We have a new member in the IAMS LIC Duplicate Exchange.

Columbia River Inter-tribal Fish Commission - Library
729 NE Oregon, Suite 200
Portland OR 97232

Gretta E. Siegel, Librarian
phone 503/238-0667
Fax 503/235-4228
Library 503/731-1304
e-mail: critfish@wln.com

IAMSLIC 1994 PROCEEDINGS

Please place your orders for **1994**
IAMSLIC Proceedings by February 1, 1995.

Price: \$15.00,
Payable to: IAMSLIC Conference Series

Send orders to:
Beth Fuseler
Head, Sciences and Technology
Colorado State University Libraries
215 Morgan
Fort Collins, CO 80526
USA

or to: Jim Markham
Davidson Library
University of California
Santa Barbara, CA 93106-9010
USA

[Reminder: Proceedings were NOT included in the price of registration for this year's conference, so if you have not specifically ordered a copy of the Proceedings, either at the time of registration or later, you will not receive your copy.]

IAMSLIC COFFEE MUGS

A limited edition 20th Anniversary IAMSLIC mug is available while supplies last. The mug features the IAMSLIC logo emblazoned across a cobalt blue mug. Mugs are \$8 each or 4 mugs for \$30, prepaid, US dollars (cash, check or money order payable to IAMSLIC). Sorry, no credit cards accepted. Price includes shipping

They look great on your desk or at meetings with your colleagues and administrators. Order from:

Sandra Abbott-Stout
NOAA NMFS SW Fisheries Center
Honolulu Laboratory Library
2570 Dole Street
Honolulu, Hawaii 96822-2396
Internet: sstout@honlab.nmfs.hawaii.edu [to reserve
your mug(s)]

**PERSONNEL CHANGES AT MOSS LANDING
MARINE LABORATORIES**

Moss Landing Marine Laboratories said a fond farewell to Sheila Baldrige who retired in August. Joan Parker of California State University at Long Beach has been chosen as Sheila's replacement and will assume her new duties on January 3, 1995. Until that time can still be reached at her existing email address (jparker@csulb.edu).

20th Annual IAMSILIC Conference
Honolulu, Hawaii, October 9-13, 1994
Building Global Connections
ABSTRACTS

**BIBLIOGRAPHIC INSTRUCTION IN A
RESEARCH SETTING**

Susan Berteaux
(Woods Hole Oceanographic Institution,
Woods Hole, MA USA)

The impact of technology has dramatically affected the way we gather and produce information. Within the MBL/WHOI Library system there has been a progressive liaison between traditional and "electronic" library services. Training patrons in the use of electronic resources is an important step towards empowerment: towards bringing information (the library) to their desk-top.

Bibliographic instruction for the scientists, engineers, students and administrators of the Woods Hole Oceanographic Institution provides a forum: 1) to describe library resources (including library-related computer services), 2) to determine the level of individual and departmental library training necessary to use these services, and 3) as an awareness mechanism. A description of a characteristic training session is presented, including planning, materials and technology issues.

**BUILDING GLOBAL CONNECTIONS TO SPECIMEN
COLLECTIONS**

Barry Brown
(Mansfield Library, University of Montana
Missoula, MT USA)

Many "museum" quality specimen collections exist around the world, at universities and colleges and in laboratories and field stations. These collections contain a vast wealth of potential information for current researchers. Unfortunately, the majority of them are neither part of a museum, nor automated or networked, and therefore their contents are largely unknown and unavailable. Online access to databases of specimen collections can significantly enhance their utility - that is, the information contained in an item's record can often answer questions (just as the information in a bibliographic citation can) both locally and globally.

This paper will survey specimen collections, from a variety of institutions, that are currently available through the Internet. The types of organisms represented and some characteristics of their records will be reviewed. Additionally, a pilot project to provide "gopher access" to specimen collections at the University of Montana (UM) will be discussed. The pilot project will result in: a comprehensive report on the scope and state of UM campus collections, research into various automation questions, and creation of a product - a small but fully functional database of specimen records on the local UM Gopher. Throughout the paper, the potential for librarians to facilitate access to specimen collections will be highlighted.

**CREATING A WORLD WIDE WEB HOME PAGE FOR
AN AQUATIC SCIENCE LIBRARY**

Peter Brueggeman
(Scripps Institution of Oceanography Library,
San Diego, CA USA)

The World Wide Web is a fast-growing tool for accessing information resources on the Internet. A client software (eg Mosaic) is used to access local or Internet resources specified in a Uniform Resource Locator (URL) format. These resources can include WWW pages written in a simple hypertext markup language (HTML). A Web HTML page offers aquatic science libraries the means to provide local information and integrate access to local and Internet-accessible bibliographic and non-bibliographic information resources. A model HTML home page oriented to a marine science library will be presented in order to illustrate how to write HTML page(s).

**THE ONE-PERSON LIBRARY: SUGGESTIONS FOR
BUILDING GLOBAL CONNECTIONS**

Barbara Butler
(Oregon Institute of Marine Biology Library,
Charleston, OR USA)

Patrons of small or "one-person" libraries require the same services as patrons of larger libraries. The solo librarian faces the challenge of providing all necessary services: bibliographic instruction; reference; collection development; technical services; and interlibrary loan. The challenge is underscored by the fact that many small libraries are remotely located and have limited collections and resources. In an era of specialization, the one-person Librarian becomes a "jack-of-all-trades". How does this influence the development of the solo Librarian as a professional? Clearly, the person "going it alone" stands to benefit greatly from contact with colleagues and building global connections. This paper outlines the challenges faced by the small, or "one-person" library and reports on the body of literature addressing these challenges.

**THE LONG ISLAND SOUND STUDIES: WHERE AHS
ALL THE DATA GONE?**

Constance B. Cooke
(University of Connecticut at Avery Point,
Groton, CO USA)

The extraordinary amount of research and raw data supporting each sleek final report is always impressive. Some of this research disappears shortly after the publication of the final report. The greater part lingers in the files of government agencies, consultant's offices and laboratories, only to be discarded with the researcher's retirement, the consultant's new secretary or the need for more file space. In a few instances, this body of work will find it's way into a library or other organized resource collection. This paper will briefly describe and discuss the two major studies of Long Island Sound and attempt to ascertain the extent of the body of research supporting each study. It will also try to determine location, availability and accessibility of this material.

BOOK REVIEWS IN THE MARINE SCIENCES

Jean Crampon

**(Hancock Library of Biology & Oceanography,
Los Angeles, CA USA)**

This paper will examine the sources of book reviews in the marine sciences. Marine sciences is defined broadly to include marine biology and ecology, oceanography, ocean engineering, ocean policy, etc. Sources of reviews will be examined to correlate the date of publication with the date of the review in order to determine which sources cover the most items and the most current items. The focus will be on materials for scientists, researchers, faculty, and students, but sources for the public will be included as time permits.

THE CHARLES DARWIN FOUNDATION (CDF), GALAPAGOS ISLANDS

Gayle, Davis-Merlen

**(Charles Darwin Research Station,
Galapagos, Ecuador)**

The Charles Darwin Foundation (CDF), founded in 1959, has been a potent force for the conservation of the unique Galapagos Islands for 35 years. The Charles Darwin Research Station (CDRS) is the operative branch of this international, non-governmental, non-profit organization, which works closely with the Galapagos National Park Service on conservation programs. Early CDRS work focused on surveys of the flora and fauna and results of these indicated that urgent work was needed to protect threatened populations of giant tortoises.

A program for captive breeding and raising tortoises was begun, which was extended to land iguanas, when some of their populations were nearly exterminated by introduced feral dogs. Research efforts have focused on the terrestrial environment, although the marine research program dates from the 1970s. New challenges have turned attention to protection of marine ecosystems and the CDRS has made marine studies a top priority. In 1986, waters within and around the Archipelago were designated a Marine Resources Reserve. Representatives from the Charles Darwin Foundation and Station staff participated in the development of a management plan for the Reserve.

In 1990, at the urging of the CDF, the Ecuadorian Government declared a whale sanctuary in its territorial waters, including the Galapagos Archipelago. In 1992, a fishery for sea cucumbers started in Galapagos. Little information was available in the Station library on the biology and ecology of sea cucumbers, which made it difficult for Station scientists to provide management advice. The CDF requested help from the IUCN, which sent a group of experts in 1993 to make recommendations to the Ecuadorian Government on this issue. In 1994, the IUCN sent two experts to assess the possibility of declaring the Marine Resources Reserve a World Heritage Site. The Station is in the process of strengthening its marine studies program. Two new staff members (Ph.D. and M.S.) are expected in the second half of 1994; the Station's 43' launch is being re-fitted; and funds for marine research have been obtained from USAID and the Beneficia Foundation. With attention turning more and more to marine resources and ecosystems, researchers and students need up-to-date information on these topics. Thus, the Station must enhance its library collections in this area, so that it can effectively provide necessary background information for scientists and students on marine issues.

THE GLOBAL INFORMATION NETWORK: REALITIES AND PROBLEMS FOR DEVELOPING COUNTRIES

Florent Diouf

**(Centre de Recherche Oceanographique,
Dakar-Thiaroye, Senegal)**

To avoid information imperialism, developing countries must participate in the international networks and create an environment where information technology will be easy to apply. They have to overcome the different problems they are facing in library networking in order to have better information flow.

CHEMICAL ABSTRACTS: IS IT A TOOL FOR MARINE SCIENTISTS?

Carol A. Drum

**(Marston Science Library, University of Florida,
Gainesville FL USA)**

This paper will explore the usefulness/importance of Chemical Abstracts in retrieving information in the marine sciences and it will give tips on effective searching of this information tool.

FIN-ON FILETS: AN OVERVIEW OF AQUACULTURE JOURNALS AND INDEXES

Stephanie Haas

**(Marston Science Library, University of Florida,
Gainesville, FL USA)**

Key issues in the aquaculture world include effluent management, recirculating systems, harvesting methods, and shellfish depuration. This study focuses on the research literature in these areas and the indexes useful in accessing it.

I'VE BEEN CONVERTED. ALLEJUAH?

Kathleen Heil

**(Chesapeake Biological Laboratory, Solomons, MD
Natalie Wiest**

**(Jack K. Williams Library, Texas A&M University,
Galveston, TX USA)**

In the past year both of us have had to convert from our local library automation programs to those of our main campus systems. In Kathy Heil's case, this is the University of Maryland system, which uses CARL. Her library at the Chesapeake Biological Laboratory had formerly been managed by a microcomputer-based system. In Natalie Wiest's case, this is the Texas A&M University system. Williams Library, here at Texas A&M University at Galveston, had been operating under the Dynix automation system and made the transition to NOTIS as of January 1994. Both of us have that "small fish in the big pond" feel as part of major university systems, and both are at a significant geographic distance from the main campus. We will address methods, ease, and cost of converting our systems, and the pros and cons of being small parts of much larger systems.

THE DEVELOPMENT OF A TECHNOLOGY BASED PROTOTYPE FOR THE BRANCH LIBRARIES OF THE FUTURE

Roger Kelly

**(Marine & Atmospheric Sciences Information Center, Stony
Brook, NY USA)**

This paper deals with a department's realization that it must upgrade its facilities, specifically its Reference Room, as rapidly as possible, even at the expense of relinquishing control over the new facility. The transition from a part time operation to a full time facility operating as a branch of the campus library system is interesting, challenging, difficult, and ongoing. It deals with philosophy of operation, design, tradition, technology, collection development, and a host of other problems that can be imagined on a campus that has been going through a host of problems, including a search for a President and a Provost, budget cuts and a recently concluded journal cancellation program. Inevitably, there are some conflicts between the traditional concept of library services and methods of delivery, especially when the new facility has funding for technology that the existing system has been seeking for some time. The scope of support is also wider. For example, the Novell network supports an "electronic conference room" that is used by environmental and other groups concerned with the future of the region. The current status of MASIC, its technology, communications, databases, staffing, and future direction, including support of GIS systems, is also discussed.

MANAGING FISH MARKET INFORMATION FOR INDUSTRY USE AND ECONOMIC RESEARCH

David Liao and Frank Chiang

(Institute of Fisheries Economics, Keelung, Taiwan)

Management is one of the most important, if not the paramount issue facing the data processing or information generation organization. The problems encountered in managing databases and information systems are complex and demanding. This paper describes our experience in managing the Taiwan Fish Market Information System (TFMIS) for seafood industry and economic research. TFMIS is a computerized fish market information distribution and inquiry system. It is a cooperative effort of the Institute of Fisheries Economics at the National Taiwan Ocean University and the Taiwan Fisheries Bureau. The main objective of TFMIS is to provide timely, accurate information from Taiwan and several selected countries, such as Canada, Japan, and US for decision making in seafood industries. TFMIS reports seafood prices, production, import and export, and the forecasting prices for major fishery products in Taiwan and other countries. Some of the management problems discussed in this paper are: 1) coordination and cooperation, 2) classification and maintenance, 3) documentation and sourcing, and 4) analysis and communication.

CD-ROM DATABASES AND FISHERIES LITERATURE

Dr. James Markham

(Library, University of California, Santa Barbara, CA)

Dr. Elizabeth Fuseler

**(Science and Technology Library, Colorado State,
Ft. Collins, CO USA)**

Major relevant CD-ROM databases were compared as tools for finding fisheries literature. Comparisons were made of coverage, indexing policies, and database protocols. Aspects of coverage examined included overlap, uniqueness, currency, and journal coverage, which were investigated using known item searches and subject profile searches. Different database protocols and indexing policies indicated different optimal retrieval policies.

OBTAINING TRANSLATIONS AND ACADEMIC THESES: AN INTERNATIONAL PANEL

Pamela Olson

**(Pacific Biological Station Library,
Nanaimo, B.C. Canada)**

Translations and academic theses are among the most difficult types of research documents to obtain. While most librarians are familiar with sources for these documents in our own countries, we are not aware of services in foreign countries. Often, a librarian will send numerous requests to several different agencies to try to borrow or buy a copy of the required document and may finally give up in frustration. In some countries, government or private agencies provide a service that translates documents from a foreign language to the national language. The same agency may provide access to the documents or the documents themselves. Access to academic theses is provided by the national library in some countries. In other countries a private agency provides this service and some countries have no central agency to record or provide access to these documents. Correspondents selected from members in the many countries represented by IAMSILIC share their knowledge of bibliographic sources and procedures for acquiring these types of documents from their countries. A panel will present information from a sampling of these countries and the results of a survey will be available to conference delegates and IAMSILIC members as a leaflet.

LIBRARIAN PARTICIPATION IN THE GLOBAL INFORMATION SUPERHIGHWAY: A PANEL AND DISCUSSION

Joan Parker

(California State University, Long Beach, CA USA)

Steve Watkins and Victoria Wellborn

**(Science Library, University of California,
Santa Cruz, CA USA)**

While there is general agreement that librarians must be involved in the information superhighway, it is by no means clear exactly what their role should be. This lack of agreement may then be a signal that there are a variety of possible and legitimate roles for librarians. Three panelists, each with different levels of involvement in the Internet, will briefly discuss their experiences and views.

Joan Parker will begin with a discussion of participation on an individual basis, citing her experiences as an interested bystander, Internet trainer, and member of a team developing an image database. Steve Watkins will discuss his responsibilities as manager and developer of the Internet information system for an entire

institution and the pros and cons of the campus library in this role. Victoria Welborn will focus on her work in teaching extension courses and plans for expanding Internet training and support programs to public and school libraries.

Issues raised by these presentations and those of previous speakers on Internet topics will form the basis of a general discussion for the second half of the session.

INTRODUCTION TO MARINE SCIENCE AND TECHNOLOGY/MARINE INFORMATION CENTERS IN JAPAN

Tatsunosuke Tsuzuku

**(Japan Marine Science and Technology Center Yokosuka,
Japan)**

This paper will introduce the basic guidelines for the promotion of marine science and technology and R&D in marine science and technology in Japan.

LOCAL MOUNTING OF THE BIOSIS DATABASE: TRIALS AND TRIBULATIONS

Dr. Joseph Wible

**(Hopkins Marine Station Library, Stanford University,
Pacific Grove, CA USA)**

A discussion of the procedures undertaken by Stanford University Libraries to obtain, edit, and mount Biological Abstracts and Biological Abstracts/RRM on the campus online computer.

FRESHWATER SURFING THE INTERNET: RESOURCES EXPOSED AND ANNOTATED FOR AQUATIC LIBRARIANS

Paula Wolfe

(Science Library, University of Wyoming, Laramie, WY)

The incredible amount of information on the Internet is only made more complicated by the time required to find and review the resource while staying current. Despite being a members of numerous subject-specific discussion groups, there are still documents and databases that we are unaware of. I propose to identify some of these freshwater resources and produce an annotated bibliography emphasizing, audience, Internet address, currency, ease of use, and how it may compare to a printed source. The subjects to be covered include limnology, hydrology, wetlands, water pollution and riparian issues.

From a preliminary search a wonderful variety of gophers, FTP files, and WAIS databases are available. For example, there are gophers on Australian wetlands, the Great Lakes, midwestern water issues, plus government documents and databases. An annotated list of at least some of these resources would be very useful. A printed version plus a computer disc of all the resources and annotations will also be provided.

A DEMONSTRATION OF THE WORLD WIDE WEB HOMEPAGE FOR NOAA NESDIS LIBRARY SEATTLE

Maureen Woods

(NOAA NESDIS LISD Library, Seattle, WA USA)

A newly developed World Wide Web server for the NOAA NESDIS Library in Seattle was demonstrated. The homepage is a search gateway to the data and information resources in the Library and on the World Wide Web. Mosaic serves as a graphical user interface to a variety of documents, lists, databases and desktop services in the NOAA Library Seattle. It also functions as a browser to reach and explore other sites on the Web.

The content of the homepage is directed toward the research requirements and professional interests of marine and atmospheric scientists. It is built in a plain and simple style and uses language that is clear and understandable to users. The best way to experience the homepage is to get on the Internet and use it from your site. The URL (Uniform Resource Locator) is: <http://www.wrc.noaa.gov/nedis/Library/homepage.html>

PRE-CONFERENCE WORKSHOP:

HOW TO DO MARINE SCIENCE WITHOUT KNOWING HOW: A WORKSHOP ON MARINE SCIENCE INFORMATION

Victoria Welborn

**(Science Library, University of California - Santa Cruz,
Santa Cruz, CA)**

This workshop is designed to help information specialists develop a solid base from which to learn more about scientific information and science librarianship. Topics include the structure of scientific information and its relationship to the scientific method, the structure of a typical scientific journal article, special characteristics and formats for scientific information; and science issues in the areas of reference, collection planning, and instruction. This workshop would be particularly useful for scientists who want to know more about information science, information scientists who want to know more about science, or people working in scientific libraries or information centers with very little training.